| Work Orde | | 406 | | | *98 | 406 | * | | | | | | Page 1 |
|---|--------------------|-----------------------------|---|----------------|------------------------|-----|---------------------------|------------|--------------|---------------|-----------------|---------------------------------------|----------------|
| Revision ID: | D3901-3 Bar | | | 4 | Accept | *\ | 1900 | 040 | 100 |)* s | Setup Star | 1.71 | S1* S2* |
| Start Date: Required Date: Reference: | 3/07/13 3/28/13 | Start Qty: 6. Req'd Qty: 6. | | *6* *6* | | | Cust Item II Customer: | D: | | | | • • | |
| Approvals: | | an: <u>µ</u> しゴ | | 13-03-14 | Tooling: SPC (Y/N): | | | te: | - | · | Run Star Sto | | R1* R2* |
| Sequence ID/ Work Center II |) | Operation Description | | | Set Up/ Run Hours | | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
| Draw Nbr | Rev | vision Nbr | | | | | * . | | | | - | | • |
| D3901 | Е | | | | | | | | | | | | |
| **1 \\ \Cold Saw .\\ Hyd Mech | | Mem Cut b | o • lanks at 67.50" | | 0.00 | art | 13/03, | /22 | | _6_ | <i>_1</i> 2 | · | |
| *110 *110* HAAS 1 HAAS CNC vertical | I machine #1 | FOLI | o I as per folio FBC D REV: <u>A A</u> REV: F | 90 & dwg D3901 | 0.00 | D-8 | 13/03 | k 5 | | <u>(</u> c | 4 | · · · · · · · · · · · · · · · · · · · | 0AS 08 8 |

2-Deburr as required

| | | | | | | | | | | | DQ | A: | Date: | | |
|---------------|-------------|---------|-------------|----------|-------------|----------------------------|----------|---------|------------------|------------|------------|----------|------------|--------------------|---|
| NCR: Y | es / | No | | | | WORK ORDER NON-C | 100 | NFORM | MANCE / UP | DATE | QA Close | ·4· | Date: | | |
| | | | | <u></u> | | | | | · ··· | | - | | | | • |
| Work Orde | er: | | | | | DISPOSITION | | | | AGAINST DE | PARTME | NT/PRO | CESS | | |
| | | | | | | Rework | 1 | | Skid-tube | Crosstube | 1 | w | ater Jet | Engineering | |
| Part N | lo. | | | | | Scrap | 1 | | Machining | Small Fab | 1 P | rod. En | g. Coor. | Quality | |
| | | | | | | Use-as-is | | Therm | noforming | Finishing | Rec/S | tore/Pa | ckaging | Other | |
| NCR N | lo. | | | | | Work Order Update | | | Large Fab | Composite | | 9 | Supplier | | |
| | | | | | | | • | | - | | | | | | |
| Root | | . [| | | | ption of work order update | | nitial | | tion | Sign & | | | | |
| Cause | D | ate | Step | Qty | | or Non-conformance | Ch | ief Eng | Desc | ription | Date | Ve | rification | QC Inspector | |
| Doc/Data | | 1 | | | | | | | | | | 1 | | | |
| Equip/Tooling | | - 1 | | | | | | | | | | | | | |
| Operator | _ | | | | | | | | | | | - | | | |
| Material | _ | | | | | | | • | | | | | | | |
| Setup | | | | | | | | ļ | | | | | | | |
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| Process | <i></i> | | | | | | | | | | | İ | | | |
| Supplier | _ | | | | | | | , | | | | İ | | | |
| Training | | | | | | • | | | | | | | | | |
| Unapproved | | | | | | | <u> </u> | | | | | | | | - |
| | | | | | | F/ | AUL | T CATE | SORY | | | | | | - |
| | ng Gear | | | | _ | General | | 1 | | _ | 7 | | _ | - | |
| 2ª4 | | - | | | _ | Bend | ├ | Grain | | | Ovalized | | ļ | Pressure/Forced | |
| 3 C | Cen | tre No | t Concer | ntric to | o/s | BOM/Route | | Hardwa | | | Over/Und | | ince | Temperature/Cure | |
| ļ | Crac | | | | | Broken/Damaged | - | | on incomplete | | Part Incor | | <u> </u> | Weld | |
| | | | Crimped | | - | Burrs | | 1 | ions Incomplete/ | Unclear | Part Lost/ | • | | Wrong Stock Pulled | |
| | Cuff | | | | | Contamination | <u></u> | Mainte | | <u></u> | Part Move | | | | |
| | Hea | it Trea | t | | | Countersink | <u></u> | Mislabe | led | <u> </u> | Positione | _ | | 7 | |
| | Insp | ection | Strip in | Tube | | Cut Too Short | | Misread | | | Power Lo | ss/Surge | | Other | |

Offset

Out of Calibration

Out of Sequence

Outside Dimensions

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Torque Waves in Extrusion

Drill Holes

Drawing

Finish

Folio

| Work Order] March-12-13 1:54: | | 06 | | *984 | LN6* | | | | | | Page 2 |
|--|-------------|------------------------------------|------------------|----------------------------|----------------------|--------------|--------------|---------------|------------------|------------------|----------------|
| Item ID: D3 Revision ID: Item Name: Bar | 3901-3 r | | | Accept | *N90 | ೧ ೧4೧ | 100 |)* S | etup Start | i Vi | S1* S2* |
| | 7/13 | Start Qty: 6.00 Req'd Qty: 6.00 | *6* *6* | | Cust Iter Custome | | | | | | |
| + | rocess Plan | 1: | Date: | Tooling: | | Date: | | R | un Start Stop | 17 | R1* |
| Q | C: | | | SPC (Y/N): | | Date: | | | Stop | *N | R2* |
| Sequence ID/ Work Center ID | | Operation Description | | Set Up/ Run Hours | Tool II | Tool # | Plan Code | Accept Qty | Reject Qty | Reject Number | Insp. Stamp |
| 120 | | QC2- Inspect parts off m | nachine FAI/FAIB | 0.00 | | | | | 1 | | 08 08 |
| *170* QC Quality Control | | Memo ***EXTRA | MATERIAL WILL BE | 0.00 CUT ON ASSEMBLY*** | D.A. | 13/03/25 | | 6 | <u> </u> | | 9 .89 |
| *130* | | QC8- Inspect parts - sec | ond check | | m/13/0 | 3/26 | | _6_ | | | |
| QC Quality Control | | Memo ***EXTRA | MATERIAL WILL BE | 0.00 CUT ON ASSEMBLY*** | | | | | | | |

0.00

Memo

140
Packaging

Packaging

| | | | | | | | | | | DQA. | Da | ıe. | |
|--------------|-------------|----------|----------|--------|--------------------------------|----------|----------|--|---------|---------------|----------------------------|--------|---------------------|
| NCR: Ye | es / No | | | | WORK ORDER NON- | COI | NFORI | MANCE / UPDATE | | QA Closed: | Dat | te: | |
| W-10-1- | | | | | DISPOSITION | | | AGAINS | T DE | PARTMENT | | | |
| Work Order | ": | | | | Daaut | ا | • | Child Andre Construction | | 1 | Water let | \neg | Fu aiu a a sin a |
| Part No | D | | | | Rework Scrap | | | Skid-tube Crosstub Wachining Small Fa | b | 4 | Water Jet d. Eng. Coor. | | Engineering Quality |
| NCR No | o | | | | Use-as-is Work Order Update | } | Thern | noforming Finishin Large Fab Composit | ~ — | Rec/Stor | re/Packaging Supplier | | Other |
| Root | | | | Descri | ption of work order update | | Initial | Action | | Sign & | | | |
| Cause | Date | Step | Qty | (| or Non-conformance | Cr | nief Eng | Description | | Date | Verificatio | n | QC Inspector |
| Doc/Data | | | | | | | | | | | | | |
| quip/Tooling | | | | | | | | | | | | | |
| Operator | | | | | | | | | | | | | |
| _ ری ا | | | | | | | | | | | | | |
| Setup 🥞 📗 | | | | | | 1 | | | | | | | |
| Other | | | | | | | | | | | | | • |
| Process | | | | | • | | | | | | | | |
| Supplier | | | | | | | | | | | | | |
| Training | | | | | | | | | | | | | |
| Jnapproved | | | <u> </u> | | | | | | | <u> </u> | | | |
| | | | | | | AUI | T CATE | GORY | | | <u> </u> | | |
| Landing | | | | | General | | 1 | | _ | 7 | , | | |
| _ | Bending | | | | Bend | | Grain | | \perp | Ovalized | | - | Pressure/Forced |
| L | Centre N | ot Conce | ntric to | o/s | BOM/Route | <u>_</u> | Hardwa | re | \perp | Over/Under | tolerance | _ | emperature/Cure |
| | Cracks | | | | Broken/Damaged | <u></u> | 4 | on Incomplete | \perp | Part Incorred | 1 | _ | Weld |
| | Crushed/ | Crimped | | L | Burrs | | Instruct | ions Incomplete/Unclear | L | Part Lost/Mi | ssing | \ | Wrong Stock Pulled |
| | Cuffs | | | | Contamination | | Mainte | nance | L | Part Moved | | | |
| 1 | Heat Trea | at | | 1 | Countersink | ı | Mislabe | led | | Positioned V | Vrong | | |

Misread

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

Power Loss/Surge

Other

Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes

Drawing

Finish

Folio

| Work Ordo | | 3406 | | *984 | IN6* | | | | a | | | Page 3 |
|---|-------------|------------------------------------|----------------------|----------------------|--------------------------|--------|--------------|---------------|---------------|--------------|----------------|--|
| Item ID: Revision ID: Item Name: | D3901-3 | | | Accept | *N900 | 040 | 100 | * S | • | tart Stop | | S1* S2* |
| Start Date: Required Date: Reference: | 3/07/13 | Start Qty: 6.00 Req'd Qty: 6.00 | *6* *6* | | Cust Item I Customer: | D: | | | , | | | |
| Approvals: | Process Pla | an: | Date: | Tooling: SPC (Y/N): | | ate: | | F | | tart Stop | | R1* R2* |
| Sequence ID/ Work Center I | D | Operation Description | | Set Up/ Run Hours | Tool ID | Tool # | Plan Code | Accept Qty | Reject Qty | | eject umber | Insp. Stamp |
| *150 *150* | | QC21- Final Inspection | - Work Order Release | 0.00 | | | | | | 3/2 | 3/21 | $\Rightarrow \Rightarrow $ |

Quality Control

mf 13-3-26

| | | | | | | | | | | DQA: | Date: | |
|---------------|-----------|-----------|-------------|-------------|----------------------------|-----|----------|--------------------|------------|---------------|---------------|--------------------|
| NCR: Y | es / No | | | | WORK ORDER NON- | CON | NFORM | MANCE / UPD | ATE | | | |
| | - | | | | | | | | | QA Closed: | Date: | |
| Work Orde | , r· | | | | DISPOSITION | | | | AGAINST DE | PARTMENT | /PROCESS | |
| WOIK OIU | | | | | Rework | 7 | | Skid-tube | Crosstube | 1 | Water Jet | Engineering |
| Part N | lo. | | | | Scrap | 1 | | Machining | Small Fab | Pro | d. Eng. Coor. | Quality |
| | | | | | Use-as-is | 7] | | noforming | Finishing | 1 | e/Packaging | Other |
| NCR N | lo. | | | | Work Order Update | 1 | | Large Fab | Composite | | Supplier | 1 |
| | | | | | | | | | <u> </u> | • | | |
| Root | | | | Descri | ption of work order update | 1 | nitial | Actio | on | Sign & | | |
| Cause | Date | Step | Qty | (| or Non-conformance | Ch | ief Eng | Descri | ption | Date | Verification | QC Inspector |
| Doc/Data | | | | | | | | | | | | |
| Equip/Tooling | | | | | | | | | | | | |
| Operator | | ŀ | | | | | | | | | | |
| Material | | Ì | | | | | | | | | | |
| Setup | | | | | | | | | | | | |
| Other | | | | | | | ٠ | | | | | |
| Process | | | | | | | | | | | • | |
| Supplier | | | | | | | | | | | | |
| Training | | | | | | | | | | | - | |
| Unapproved | | | | | | | | | | | | |
| | | | | | | AUL | T CATE | GORY | | | | |
| Landir | ng Gear | | | | General | | ı | | | 7 | | 7 |
| ļ | Bending | | | | Bend | | Grain | | | Ovalized | <u></u> | Pressure/Forced |
| | Centre No | ot Concei | ntric to | o/s | BOM/Route | | Hardwa | re | | Over/Under | tolerance | Temperature/Cure |
| | Cracks | | | | Broken/Damaged | | Inspecti | on Incomplete | | Part Incorred | t | Weld |
| | Crushed/ | Crimped | | | Burrs | | Instruct | ions Incomplete/Ur | nclear | Part Lost/Mi | ssing | Wrong Stock Pulled |
| | Cuffs | | | | Contamination | | Mainte | nance | | Part Moved | | |
| [| Heat Trea | at | | | Countersink | | Mislabe | led | | Positioned V | /rong | |

Misread

Out of Calibration

Out of Sequence

Outside Dimensions

Offset

Power Loss/Surge

Other

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Inspection Strip in Tube

Torque Waves in Extrusion

Cut Too Short

Drill Holes

Drawing

Finish

Folio

Picklist Print

March-12-13 1:54:19 PM

Page 1

Work Order ID:

98406

Parent Item:

D3901-3

Parent Item Name:

Bar

Start Date: 3/07/13

Required Date: 3/28/13

Start Qty: 6.00

Required Qty: 6.00

Comments:

IPP RevA: New issue DD verified by:EC

verified by:JLM

IPP RevB: Now on cnc JFS 12/02/13

| Component Item ID/ Item Name | Replacement Item ID | Mfg/ Purch | Bin Item | Primary Location | Last Location | Route Seq ID | Unit of Measure | Qty on Hand | Qty per Kit | Total Qty | Qty Issued | Date Issued | Status |
|---------------------------------|---------------------|---------------|-------------|---------------------|------------------|-----------------|--------------------|----------------|-------------|--------------|---------------|----------------|--------|
| M304B0.250x0.500 | | Purchased | No | | | 100 | f | 655.1470 | 5.573 | 35.197895 | 5 | | |
| 304 BAR .250 x .500 | | | | | | | | | G %. 24 | | | ····· | |

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 31.492

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39 an/13/03/20

| | | | | | | | | | | DQA: | Date: | |
|--------------|----------|----------|--|--------|--------------------------------|----------|------|---------------------|------------------------|------------|--------------------------|---------------------|
| NCR: Y | es / No | | | | WORK ORDER NON-C | CONF | ORI | MANCE / UPI | DATE | | | . |
| | | | | | | | | | | QA Closed: | Date: | |
| Work Orde | er: | | | | DISPOSITION | | | | AGAINST DE | PARTMENT | /PROCESS | |
| Part N | | | ······································ | | Rework Scrap | | | Skid-tube Machining | Crosstube Small Fab | 1 | Water Jet d. Eng. Coor. | Engineering Quality |
| NCR N | lo | | | | Use-as-is Work Order Update | <u> </u> | hern | noforming Large Fab | Finishing Composite | Rec/Stor | re/Packaging Supplier | Other |
| Root | | | | Descri | ption of work order update | Init | ial | Act | ion | Sign & | | |
| Cause | Date | Step | Qty | (| or Non-conformance | Chief | Eng | Descr | ription | Date | Verification | QC Inspector |
| Doc/Data | | | | | | | | | | | | |
| quip/Tooling | | ł | | • | | | | | | | : | |
| Operator | | 1 | | | | | | | | | | |
| Material | | | | | | | | | | | | |
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| rocess | | | | | | | | | • | | | |
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| raining [| | 1 | | | | | | | | | | |
| Jnapproved | | | | | | | | | | | | |
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| Landir | ng Gear | | | | General | | | | | | | |
| | Bending | | | | Bend | Gr | rain | | | Ovalized | | Pressure/Forced |
| ſ | Contro N | ot Conce | ntric to (| 1/5 | BOM/Route | | rdwa | ro | | Over/Under | tolerance | Temperature/Cure |

Inspection Incomplete

Maintenance

Out of Calibration

Out of Sequence

Outside Dimensions

Mislabeled

Misread

Offset

Instructions Incomplete/Unclear

Part Incorrect

Part Moved

Part Lost/Missing

Positioned Wrong

Power Loss/Surge

Weld

Other

Wrong Stock Pulled

Broken/Damaged

Contamination

Countersink

Cut Too Short

Drill Holes

Drawing

Finish

Folio

Burrs

H:/FORMS/Quality Assurance\approved QA/NCRWO Rev G

Ripples in Bend

Turning Sequence

Wave/Twist in Tube

Cracks

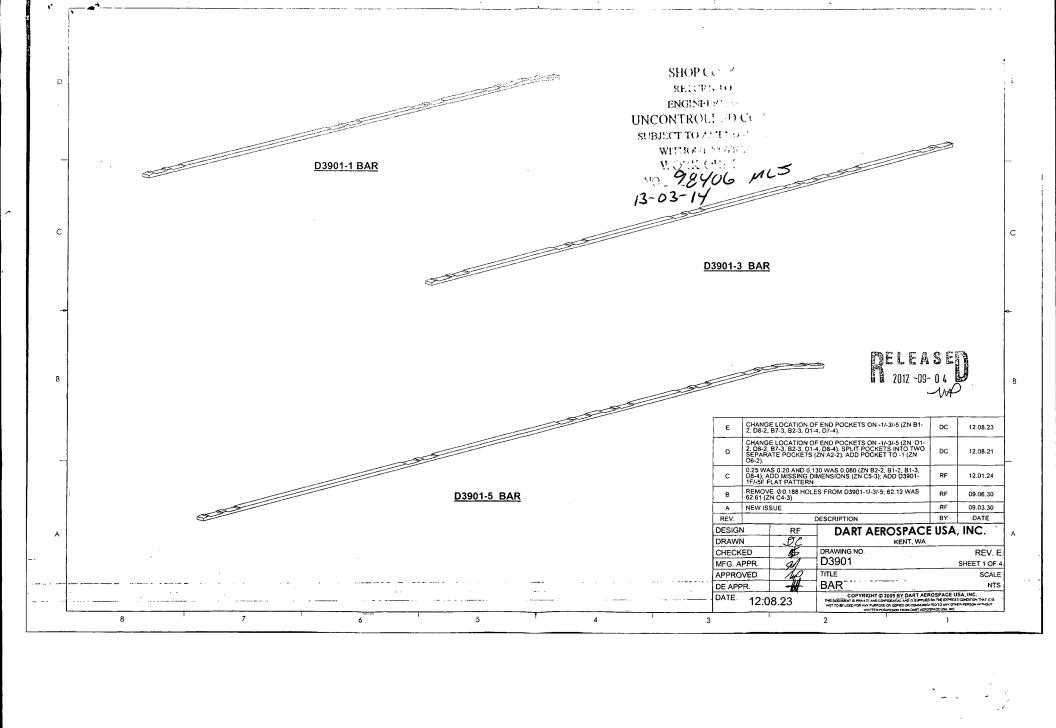
Cuffs

Heat Treat

Crushed/Crimped

Inspection Strip in Tube

Torque Waves in Extrusion



APPROVED

12:08.23

DE APPR.

DATE

TITLE

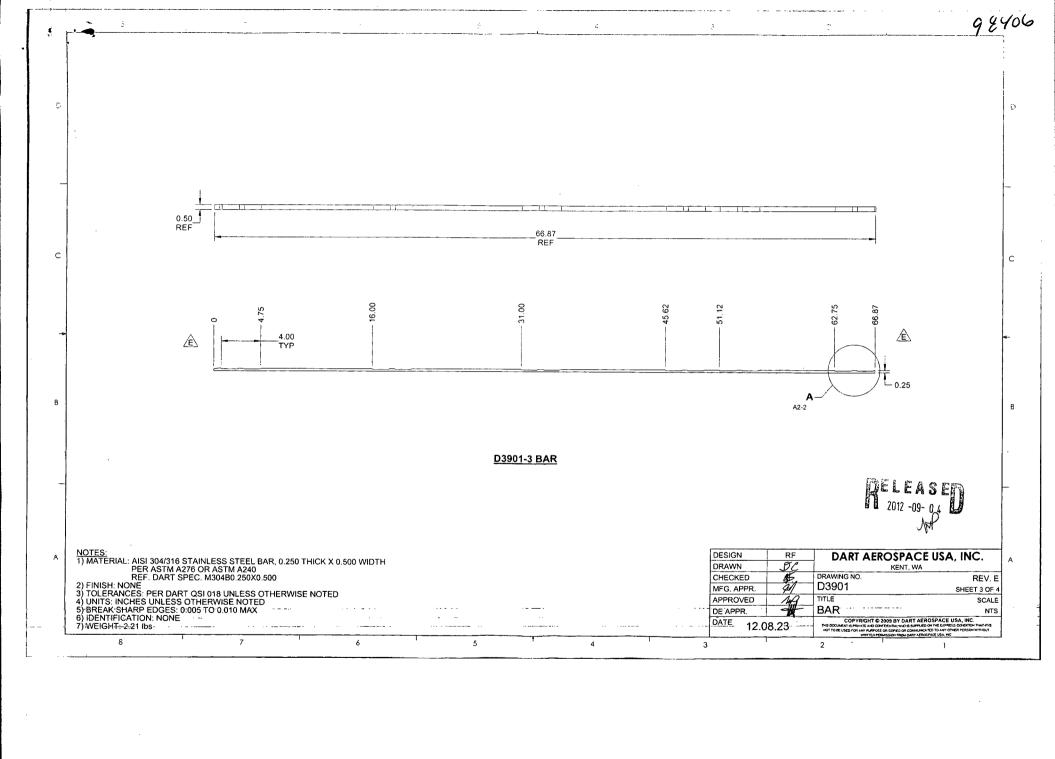
BAR

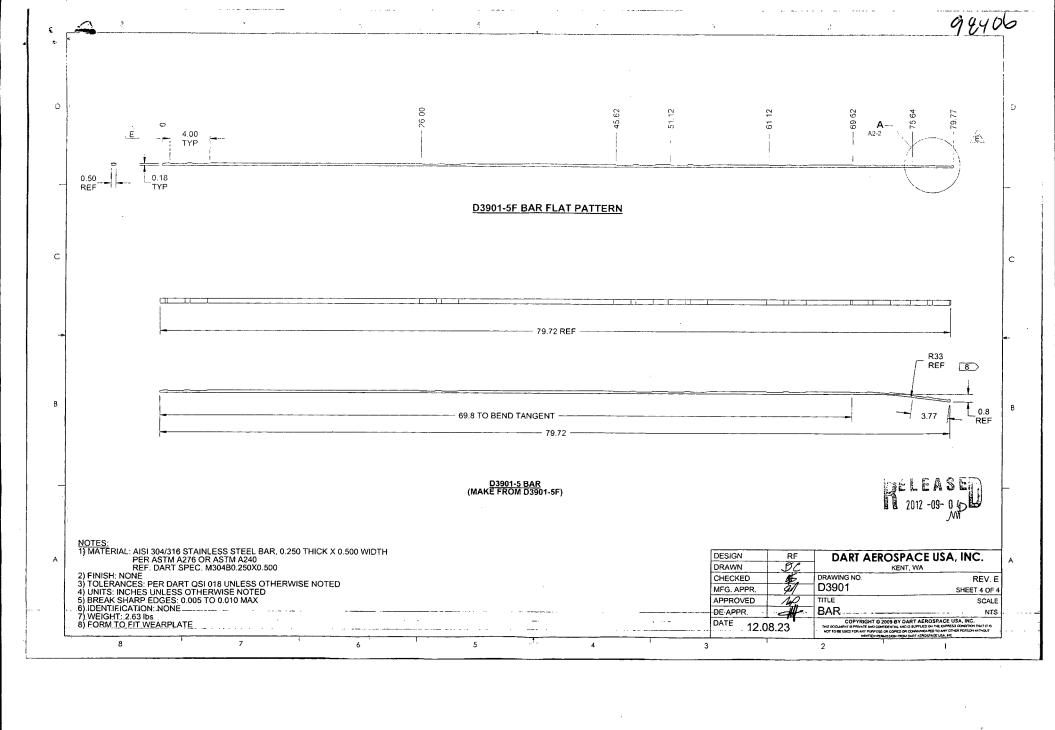
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USED FOR ANY PURPOSE OR COMED OR COMMANCATED TO ANY OTHER PERSON

SCALE

NTS





| DART AEROSPACE LTD | Work Order: | 98406 |
|------------------------------|--------------|-------------|
| Description: BAR | Part Number: | 3901-3 |
| Inspection Dwg: D3901 Rev: E | | Page 1 of 1 |

FIRST ARTICLE INSPECTION CHECKLIST

| Drawing Dimension | Tolerance | Actual Dimension | Accept | Reject | Method of Inspection | Comments |
|----------------------|-----------|---------------------|----------|--------|-------------------------|----------------|
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| Measured by: | | Audited by: | Preliminary Approval: | |
|--------------|----------|-----------------|-----------------------|--|
| Date: | 13/03/25 | Date: 13/03/2 h | Date: | |

| Rev | Date | Change | Revised by | Approved |
|-----|----------|----------------------------|------------|----------|
| E | 10.04.14 | Added preliminary approval | KJ | |